

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1457 (US)APPLICATION NUMBER
09/869,654LIST OF INFORMATION PROVIDED
BY APPLICANTAPPLICANT
WILLINK ET AL.FILING DATE
June 28, 2001GROUP ART UNIT
3672

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
<i>a</i>	BA	3,559,373	5/20/68	Garrett	55	9	
<i>2</i>	BB	5,682,759	11/4/97	Hays	62	402	
<i>2</i>	BC	3,544,170	12/1/70	Bowles	302	28	
<i>2</i>	BD	3,616,596	11/2/71	Campargue	55	17	
<i>2</i>	BE	3,626,665	12/14/71	Fenn et al.	55	17	
<i>2</i>	BF	3,892,070	7/1/75	Bose	60	279	
<i>2</i>	BG	3,725,271	4/3/73	Giannotti	210	65	
<i>2</i>	BH	4,541,845	9/17/85	Michel-Kim	55	17	
<i>2</i>	BI	3,185,181	5/25/65	Demyan	138	37	

RECEIVED

JUN 05 2003

GROUP 360

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
<i>2</i>	BL	8901841	2/91	Netherlands	B01D	005/00		X
<i>2</i>	BM	JP 02 017921	1/22/90	JP (English abst.)	B01D	053/24	X	
<i>2</i>	BN	SU 1 768 242	10/15/92	Soviet (patent Abstract)	B01D	045/12	X	
<i>2</i>	BO	SU 1 172 540	3/30/92	Soviet (patent abstract)	A61B	071/00	X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

<i>2</i>	BR	M. Betting et al. Supersonic Separator Apparatus and Method, U.S. Patent Application Ser. No. 09/223,884, filed December 31, 1998 (Attorney Docket No. HTH-1453).
<i>2</i>	BS	C. A. Tjeenk Willink et al., Supersonic Nozzle and Method for Forming Separable Particles, U.S. Patent Application Ser. No. 09/223,888, filed December 31, 1998 (Attorney Docket No. HTH-1454).
	BT	

EXAMINER

DATE CONSIDERED

*Willink**10/21/03*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1457 (US)APPLICATION NUMBER
09/869,654BEST OF INFORMATION PROVIDED
BY APPLICANTAPPLICANT
WILLINK ET AL.FILING DATE
June 28, 2001GROUP ART UNIT
3672

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
AA	3,720,263	3/1973	Murphy et al.	166	303	
AB	3,997,008	6/1975	Canfield	166	267	
AC	4,531,584	7/1985	Ward	166	265	
AD	4,823,880	4/1989	Klatt	166	373	
AE	3,493,050	2/1970	Kelley et al.	166	267	
AF	3,559,373	2/1971	Garrett	166	267	
AG	5,333,684	8/1994	Walter et al.	166	54	
AH	5,794,697	8/1998	Wolflick et al.	166	265	
AI	5,444,684	8/1995	Yanagi et al.	369	44.28	

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Subclass	Translation Yes	Translation No
AM 1,768,242 + Abst.	10/1992	SU	B01D	045/12		X
AO 2-17921	1/1990	JP	B01D	53/24		X
AP 99/01194	14/01/99	WO	B01D	53/24	X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	
AS	
AT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1457 (US)APPLICATION NUMBER
09/869,654LIST OF INFORMATION PROVIDED
BY APPLICANTAPPLICANT
WILLINK ET AL.

MAY 22 2003

(Use several sheets if necessary)

FILING DATE
June 28, 2001GROUP ART UNIT
3672

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
<i>W</i>	CA	3,894,851	7/15/75	Gorman	55	94	
<i>W</i>	CB	4,292,050	9/29/81	Linhardt et al.	55	1	
<i>W</i>	CC	5,261,242	11/16/93	Lardinois	62	11	
<i>W</i>	CD	6,372,019	4/16/02	Alferov et al.	95	29	
	CE						
	CF						
	CG						

RECEIVED

JUN 05 2003

GROUP 3600

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>W</i>	CL	593,717 + abst.	24/02/76	SU	BD1D	45/06		X
<i>W</i>	CM	1768242 A1 + abst.	15/10/92	SU	B01D	45/12		X
<i>W</i>	CN	2,037,610 A	16/07/80	UK	59/18	59/50	X	
<i>W</i>	CO	1,103,130	14/2/68	GB	B01D	45/16	X	
	CP							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	CR	
	CS	
	CT	

EXAMINER

DATE CONSIDERED

Wells

10/21/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.



FORM PTO-1449 (Modified)

LIST OF INFORMATION PROVIDED
BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.
TH1456APPLICATION NUMBER
09/869,632APPLICANT
WILLINK ET AL.FILING DATE
June 28, 2001GROUP ART UNIT
3672

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	3,559,373	5/20/68	Garrett	55	9	
	AB	5,682,759	11/4/97	Hays	62	402	
	AC	3,544,170	12/1/70	Bowles	302	28	
	AD	3,616,596	11/2/71	Campargue	55	17	
	AE	3,626,665	12/14/71	Fenn et al.	55	17	
	AF	3,892,070	7/1/75	Bose	60	279	
	AG	3,725,271	4/3/73	Giannotti	210	65	
	AH	4,541,845	9/17/85	Michel-Kim	55	17	
	AI	3,185,181	5/25/65	Demyan	138	37	

RECEIVED
MAY 27 2003
GROUP 360

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AL	JP 02 017921	1/22/90	JP (English abst.)	B01D	053/24	X
	AM	SU 1 768 242	10/15/92	Soviet (patent Abstract)	B01D	045/12	X
	AO	SU 1 172 540	3/30/92	Soviet (patent abstract)	A61B	071/00	X

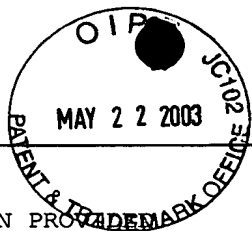
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	AR						
	AS						
	AT						

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.



FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH1456APPLICATION NUMBER
09/869,632LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
WILLINK ET AL.FILING DATE
June 28, 2001GROUP ART UNIT
3672

U.S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	BA	3,894,851	7/15/75	Gorman	55	94	
	BB	4,292,050	9/29/81	Linhardt et al.	55	1	
	BC	5,261,242	11/16/93	Lardinois	62	11	
	BD	6,372,019	4/16/02	Alferov et al.	95	29	
	BE						
	BF						
	BG						
	BH						
	BI						

RECEIVED

MAY 27 2003

GROUP 3600

FOREIGN PATENT DOCUMENTS								
		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	BL	593,717 + abst.	24/02/76	SU	BD1D	45/06		X
	BN	1768242 A1 + abst.	15/10/92	SU	B01D	45/12		X
	BO	2,037,610 A	16/07/80	UK	59/18	59/50	X	
		1,103,130	14/2/68	GB	B01D	45/16	X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	BR	
	BS	
	BT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.